

## REPLACEMENT SHEET

Title of the Invention: System and Method for Design, Tracking, Measurement, Prediction and Optimization of Data Communication Networks  
Inventor's Name: Rappaport et al.  
Docket No./Application No.: 09/668,145

Figure 1: Example transmission of data over a communications network

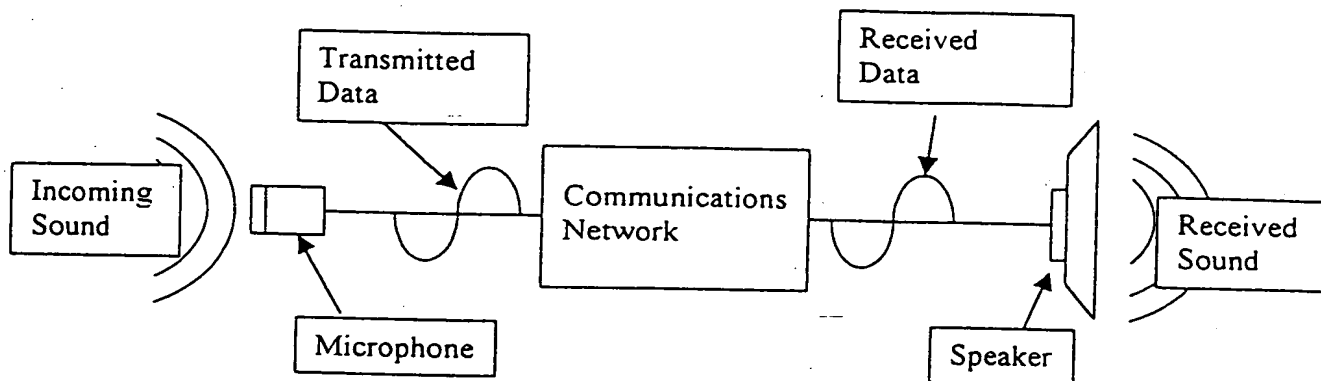
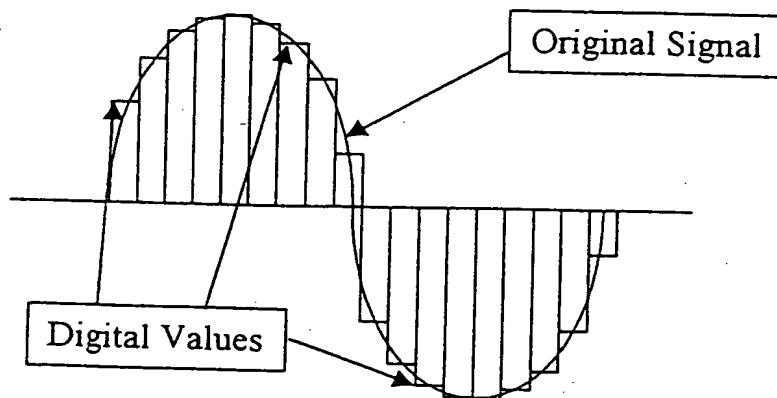


Figure 2: Creation of a digital signal from an analog signal



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Figure 3: Illustration of the difference between bits, packets and frames.

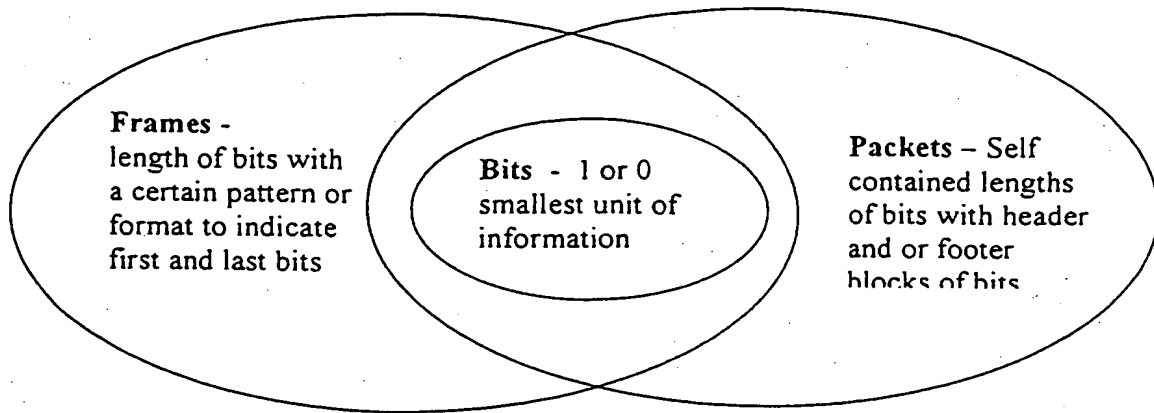


Figure 4: Illustration of the data displayed in each node of the Tree View of a data communications network.

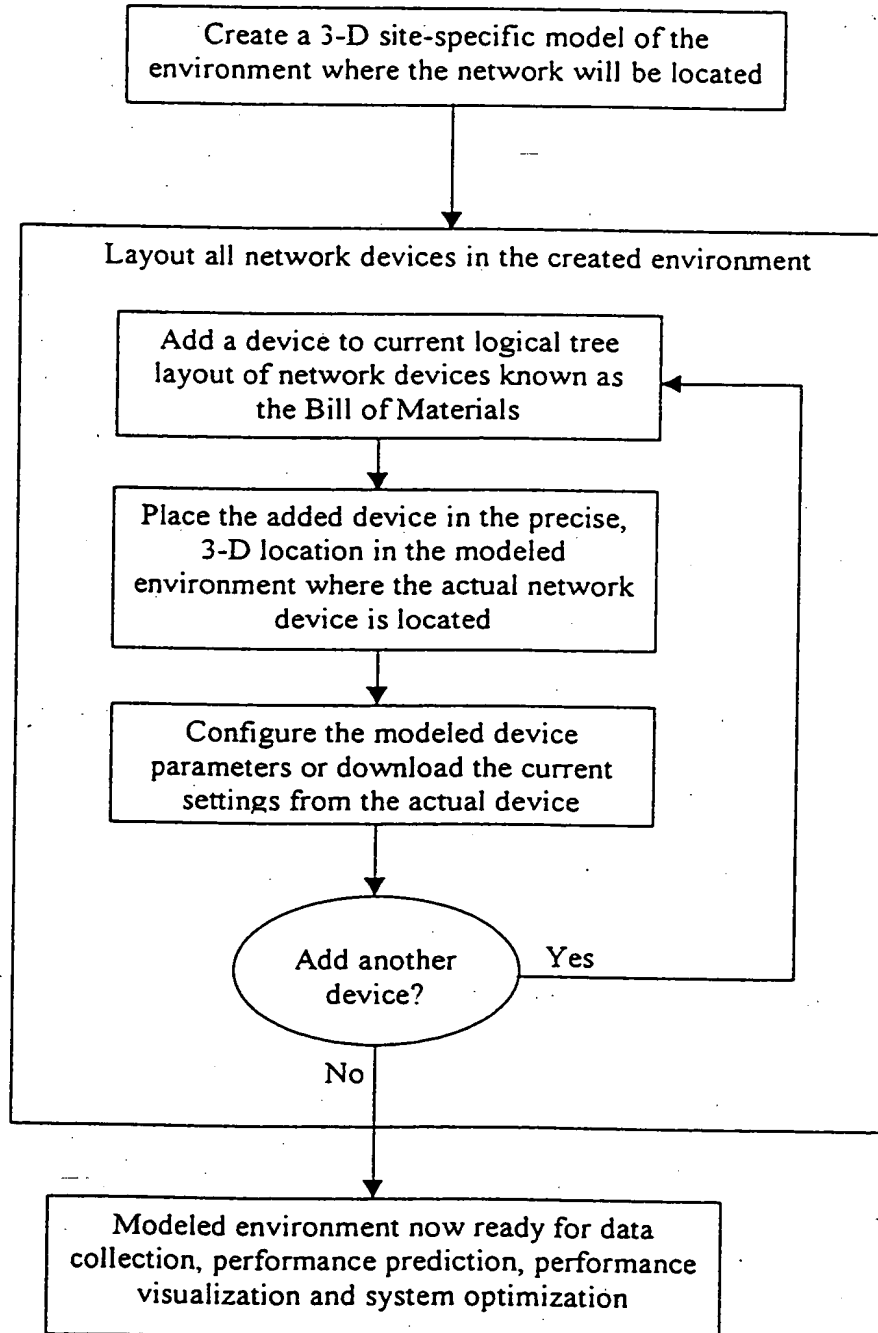
- Name and type of network device
  - Specifications
    - Electrical, Optical, and Electromagnetic specific operating parameters
    - Software, Firmware and Hardware version numbers and settings
  - Physical connectors
    - Specifications and setting specific to each connector

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Figure 5: Method for creating a 3-D site specific model of the environment

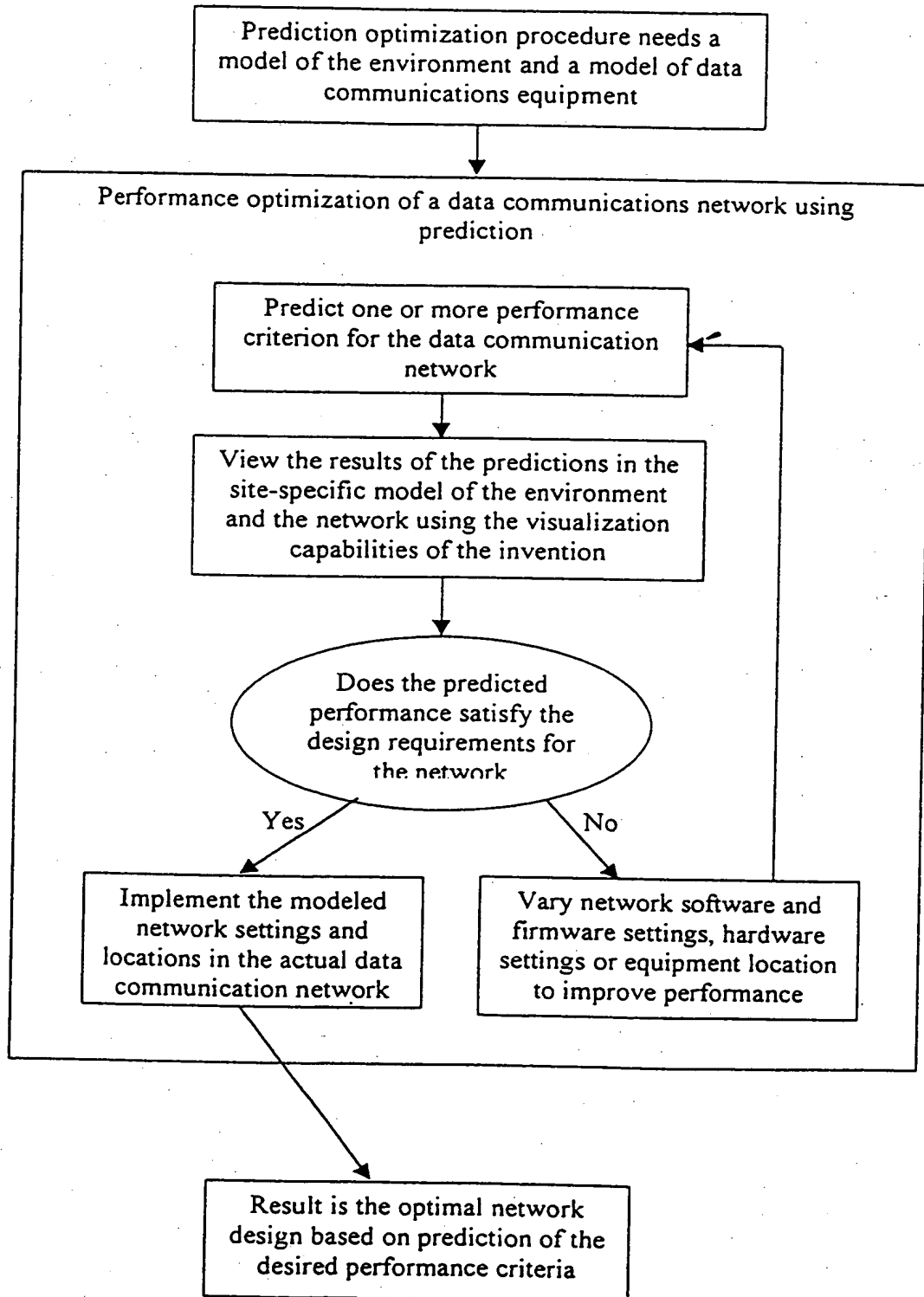


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Figure 6: Method for optimizing a data communications network using predictions

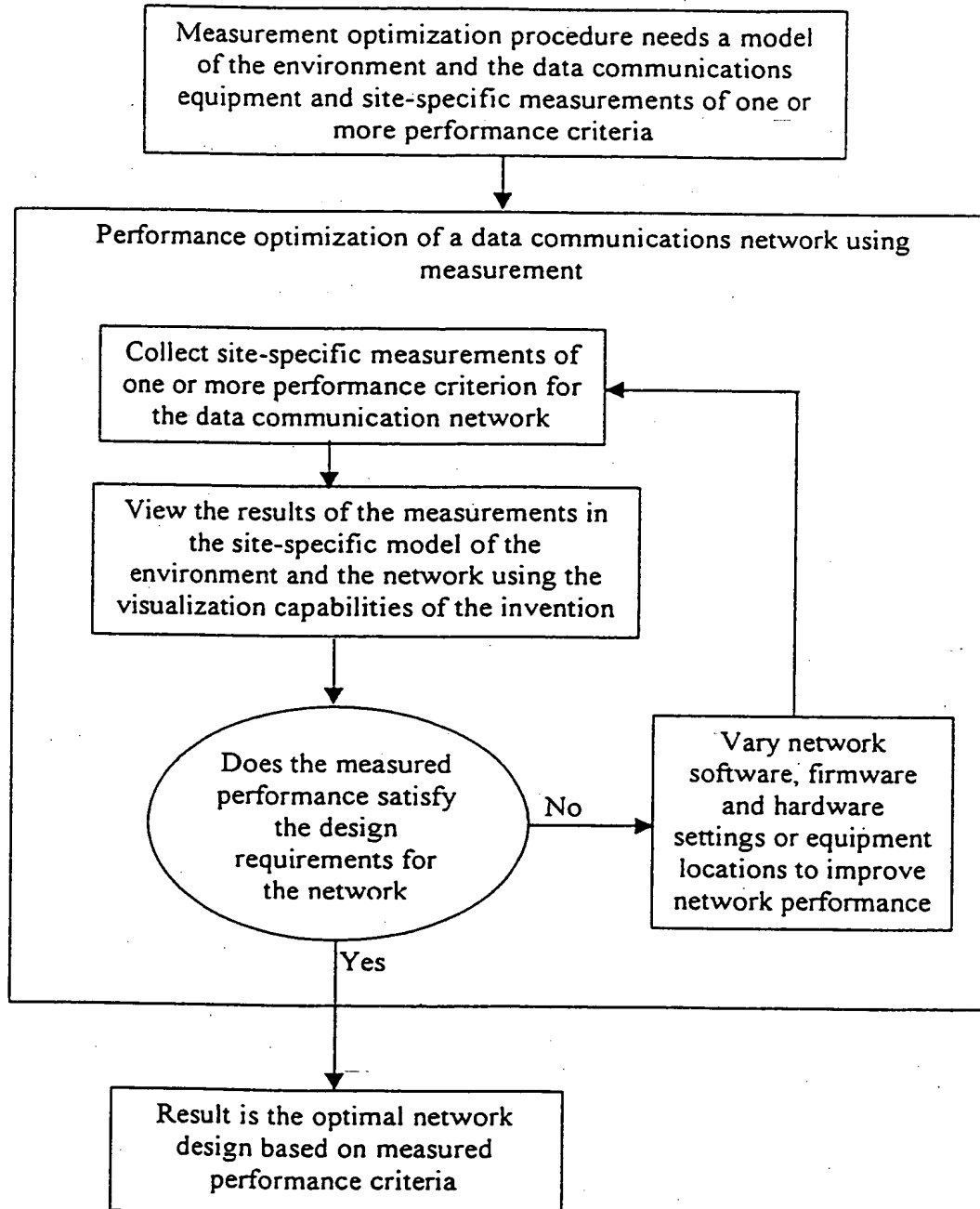


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Figure 7: Method for optimizing a data communications network using measurements



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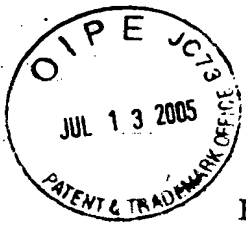


Figure8: Method for optimizing a data communications network using predictions and measurements.

